

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
(((707/3)!.CCLS.))	1938

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

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result set*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L18</u>	(((707/3)! .CCLS.))	1938	<u>L18</u>
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<u>L16</u>	(((709/217)! .CCLS.))	1354	<u>L16</u>
<u>L15</u>	L13 and geographic same database	10	<u>L15</u>
<u>L14</u>	L13 and geographic near database	0	<u>L14</u>
<u>L13</u>	consolidat\$ near2 database	116	<u>L13</u>
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<u>L7</u>	geographic same database and l1	11	<u>L7</u>
<u>L6</u>	L2 and geographic same database	0	<u>L6</u>
<u>L5</u>	L3 and geographic same database	0	<u>L5</u>
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<u>L3</u>	L2 and extend\$	976	<u>L3</u>
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<u>L1</u>	anchor near2 point	8228	<u>L1</u>

END OF SEARCH HISTORY

WEST

Generate Collection

Print

L7: Entry 6 of 11

File: USPT

Aug 8, 2000

US-PAT-NO: 6101496

DOCUMENT-IDENTIFIER: US 6101496 A

TITLE: Ordered information geocoding method and apparatus

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Esposito; David J.	Delmar	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
MapInfo Corporation	Troy	NY			02

APPL-NO: 09/ 093259 [PALM]

DATE FILED: June 8, 1998

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/6; 379/220, 701/207, 701/208, 705/10, 705/62, 707/3, 707/4, 707/5, 707/7, 707/104

US-CL-CURRENT: 707/6; 701/207, 701/208, 705/10, 705/62, 707/104.1, 707/3, 707/4, 707/5, 707/7

FIELD-OF-SEARCH: 707/3-8, 707/104, 707/530, 707/532, 701/207-208, 705/10, 705/62, 379/220

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4827419</u>	May 1989	Selby, III	707/104
<input type="checkbox"/>	<u>4839700</u>	June 1989	Ramesham et al.	357/2
<input type="checkbox"/>	<u>4879658</u>	November 1989	Takashima et al.	701/207
<input type="checkbox"/>	<u>4888699</u>	December 1989	Knoll et al.	701/207
<input type="checkbox"/>	<u>4982332</u>	January 1991	Saito et al.	701/208
<input type="checkbox"/>	<u>4989151</u>	January 1991	Nuimura	701/207
<input type="checkbox"/>	<u>5133052</u>	July 1992	Bier et al.	707/530
<input type="checkbox"/>	<u>5210868</u>	May 1993	Shimada et al.	701/200
<input type="checkbox"/>	<u>5381338</u>	January 1995	Wysocki et al.	701/207
<input type="checkbox"/>	<u>5426780</u>	June 1995	Gerull et al.	707/3
<input type="checkbox"/>	<u>5448696</u>	September 1995	Shimada et al.	345/357
<input type="checkbox"/>	<u>5470233</u>	November 1995	Fruchterman et al.	434/112
<input type="checkbox"/>	<u>5487139</u>	January 1996	Saylor et al.	345/435
<input type="checkbox"/>	<u>5506897</u>	April 1996	Moore et al.	379/127
<input type="checkbox"/>	<u>5532838</u>	July 1996	Barbari	358/400
<input type="checkbox"/>	<u>5533107</u>	July 1996	Irwin et al.	379/201
<input type="checkbox"/>	<u>5546578</u>	August 1996	Takada	707/5
<input type="checkbox"/>	<u>5553407</u>	September 1996	Stump	37/348
<input type="checkbox"/>	<u>5568384</u>	October 1996	Robb et al.	707/532
<input type="checkbox"/>	<u>5594650</u>	January 1997	Shah et al.	701/207
<input type="checkbox"/>	<u>5634049</u>	May 1997	Pitkin	707/102
<input type="checkbox"/>	<u>5636122</u>	June 1997	Shah et al.	701/207
<input type="checkbox"/>	<u>5646629</u>	July 1997	Loomis et al.	701/300
<input type="checkbox"/>	<u>5794178</u>	August 1998	Caid et al.	704/9
<input type="checkbox"/>	<u>5901214</u>	May 1999	Shaffer et al.	379/220
<input type="checkbox"/>	<u>5982868</u>	November 1999	Shaffer et al.	379/220

OTHER PUBLICATIONS

Fiset, R. et al., "An automatic road extraction method using a map-guided approach combined with neural networks for cartographic database validation purposes", International Geoscience and Remote Sensing Symposium, May 1996. IGARSS '96. Remote Sensing for.

Kamijo, S. et al., "Digital road map database for vehicle navigation and road information systems", Conference Record Vehicle Navigation and Information System Conference, Sep. 11-13, 1989, pp. 319-323.

Kawamura, H. et al., "N-land database for research of the Japanese land and coastal are with complicated geographical features", International Geoscience and Remote Sensing Symposium, IGARSS '93. Better Understanding of Earth Environment, Aug. 18-21, 1993.

Silberschatz, A. et al., "Operating System Concepts", Addison-Wesley Publishing Company, Inc., Fourth Edition, Jan. 1995, ISBN 0-201-50480-4, Chapter 3, sections 3.3.3 and 3.3.5, pp. 72-73.

Suter, M. et al., "Automated generation of visual simulation databases using remote sensing and GIS", Proceedings, IEEE Conference on Visualization, 1995. Visualization '95., Oct. 29-Nov. 3, 1995, pp. 86-93.

Sweeney, I.E., Jr., "Comparative benefits of various automotive navigation and routing technologies", IEEE 1996 Position Location and Navigation Symposium, Apr. 22-26, 1996, pp. 415-421.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Alam; Shahid

ABSTRACT:

Ordered information data 22 is combined with prior geocoded data 21 to improve geocoding. The combined records are sorted by precision 33. The two highest precision groups are interpolated to further geocode the records and provide enhanced street address products 42.

29 Claims, 13 Drawing figures

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L7: Entry 10 of 11

File: USPT

Jul 29, 1997

US-PAT-NO: 5651676

DOCUMENT-IDENTIFIER: US 5651676 A

TITLE: Method of organizing and storing simulated scenery in a flight simulation system

DATE-ISSUED: July 29, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artwick; Bruce Arthur	Champaign	IL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 08/ 116155 [PALM]

DATE FILED: September 2, 1993

INT-CL: [06] G09 B 9/08, G09 B 19/16

US-CL-ISSUED: 434/43; 434/38, 434/307R, 395/127

US-CL-CURRENT: 434/43; 345/427, 434/307R, 434/38

FIELD-OF-SEARCH: 434/12, 434/29, 434/30, 434/33, 434/34, 434/37, 434/38, 434/43, 434/118, 434/130, 434/150, 434/153, 434/37R, 434/365, 364/578, 395/118, 395/119, 395/128-131

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4343037</u>	August 1982	Bolton	434/43 X
<input type="checkbox"/>	<u>4645459</u>	February 1987	Graf et al.	434/43
<input type="checkbox"/>	<u>4714428</u>	December 1987	Bunker et al.	434/43
<input type="checkbox"/>	<u>4873585</u>	October 1989	Blanton et al.	395/127 X
<input type="checkbox"/>	<u>5319793</u>	June 1994	Hancock et al.	395/125 X
<input type="checkbox"/>	<u>5338200</u>	August 1994	Olive	434/43

ART-UNIT: 332

PRIMARY-EXAMINER: Cheng; Joe

ABSTRACT:

The present invention is an improved flight simulation system. The system organizes data based upon a predetermined number of object types. Each scenery file is divided to separate the data for each object type. Object data is sub-divided into latitude bands of a fixed range of latitude. The system selectively analyzes the latitude band data to locate objects to be processed. For each object type, the objects within a latitude band

are sorted and analyzed from west to east. The present system also includes a seeded scenery system. Various levels of seeds, each seed size referring to the size of the area covered by each seed are used. The seeded scenery system provides background scenery only when no other scenery is available to overwrite it. The system also includes a dynamic overlay management system which, when it loads a routine into memory, rewrites the line of code which called the routine to be a call directly to the location of the routine which is now in memory.

32 Claims, 9 Drawing figures

WEST

Generate Collection

Print

L7: Entry 7 of 11

File: USPT

Jul 27, 1999

US-PAT-NO: 5930474

DOCUMENT-IDENTIFIER: US 5930474 A

TITLE: Internet organizer for accessing geographically and topically based information

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dunworth; Peter D.	Huntington Beach	CA		
Veenstra; John W.	Balboa Island	CA		
Nagelkirk; Joan	Balboa Island	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Z Land LLC	Santa Ana	CA			02

APPL-NO: 08/ 595026 [PALM]

DATE FILED: January 31, 1996

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 395/200.47; 707/10

US-CL-CURRENT: 709/217; 707/10

FIELD-OF-SEARCH: 395/200.47, 395/200.48, 395/200.49, 707/4, 707/10, 707/103, 707/501

PRIOR-ART-DISCLOSED:

OTHER PUBLICATIONS

author unknown, Yahoo! Company History, www.yahoo.com/info/misc/history.html, p. 1, Dec. 1994.

Mark Brown et al., Special Edition Using Netscape 2, pp. 182-207, Jan. 1995.

Yahoo Regional category, directory pages, pp. 1-3, Dec. 1994.

Newsbytes, Open Text Teams with Yahoo!, Newsbytes Inc., (Full text), Sep. 1995.

Dennis S. Arnon et al., Using Structured Documents for Implementing Product/Service Yellow Pages Architecture on the Internet, pp. 312-321, Dec. 1994.

Internet release announcing new "Get Local" service,
http://www.yahoo.com/docs/pr/release57.html. Aug. 26, 1996.Nogloves, et al., "Coming Soon to a Town Near You: The LocalNet", Hambrecht & Quist LLC
Institutional Research, vol. 1, Issue 1, Nov. 1996.Weintraut, et al., "The Internet: Webbing The Information Economy", Hambrecht & Quist LLC
Institutional Research, Sep. 22, 1995.Screenshot of Home page for online yellow pages located at Internet address:
WWW.bigbook.COM (6 pages), Jan. 1996.

ART-UNIT: 278

PRIMARY-EXAMINER: Maung; Zarni

ASSISTANT-EXAMINER: Winder; Patrice L.

ABSTRACT:

A software interface organizes information predicated upon the geographical area of the resources about which the information is desired. A user is presented with a "viewpoint" map which may comprise, for example, an actual visually displayed map of a selected geographical area, or text information which pertains to the resources associated with the

selected geographical area. A geography database, a local content database and a yellow pages database are provided to allow the user to obtain information at different levels. The geography database allows the user to browse through different geographic areas of which are ordered hierarchically, while the local content database includes information about general goods and services available within a given geographic location and the yellow pages database includes information about specific goods and services in the geographic location. Thus, the user is provided with a means whereby information which is associated with particular geographic locations can be readily accessed.

39 Claims, 23 Drawing figures

WEST

Generate Collection

Print

L15: Entry 8 of 10

File: USPT

Jul 14, 1998

US-PAT-NO: 5781773

DOCUMENT-IDENTIFIER: US 5781773 A

TITLE: Method for transforming and storing data for search and display and a searching system utilized therewith

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Vanderpool; Thomas R.	White Bear Township, County of Ramsey	MN			
Lenz; Craig K.	Menomonie	WI			
Parro; TJ	Woodbury	MN			
Threlfall; John D.	Pine Springs	MN			
Vanderpool; Brian T.	White Bear Township, County of Ramsey	MN			

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY	TYPE	CODE
Minnesota Mining and Manufacturing Company	St. Paul	MN					02

APPL-NO: 08/ 916868 [PALM]

DATE FILED: August 22, 1997

PARENT-CASE:

This is a continuation of application Ser. No. 08/438,342, filed 10 May 1995 and now abandoned.

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 395/611; 395/613

US-CL-CURRENT: 707/100; 707/102

FIELD-OF-SEARCH: 395/601, 395/611, 395/612, 395/613, 395/614, 395/615, 395/616, 345/334, 345/335, 345/336, 345/339, 345/340

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4429385</u>	January 1984	Cichelli et al.	370/92
<input type="checkbox"/>	<u>4829453</u>	May 1989	Katsuta et al.	364/521
<input type="checkbox"/>	<u>4870576</u>	September 1989	Tornetta	364/401
<input type="checkbox"/>	<u>4905163</u>	February 1990	Garber et al.	364/513
<input type="checkbox"/>	<u>5032989</u>	July 1991	Tornetta	364/401
<input type="checkbox"/>	<u>5146548</u>	September 1992	Bijnagte	395/117
<input type="checkbox"/>	<u>5235680</u>	August 1993	Bijnagte	395/161
<input type="checkbox"/>	<u>5241671</u>	August 1993	Reed et al.	395/600
<input type="checkbox"/>	<u>5265246</u>	November 1993	Li et al.	395/600
<input type="checkbox"/>	<u>5325297</u>	June 1994	Bird et al.	364/419.07

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 460 869 A3	December 1991	EP	
WO 95/12176	May 1995	WO	

OTHER PUBLICATIONS

Top Producer.RTM. 5.1 for Windows, User's Guide 1994 Top Producer Systems, Inc.
Quick Time for Windows, Chapter 3--Image Compression Manager (Sep. 1993).
Product Literature, Top Producer.RTM. For Windows--Simply the Best Real Estate Sales and Marketing Software, Top Producer Systems Inc. (from real estate trade show Apr. 1994).
Product Literature, On-Line Software, Inc.--The standard in Real Estate Software (from real estate trade show Apr. 1994).
Product Literature, HomeScope.TM. Multiple listings on CD-ROM, PRC Realty Systems, Inc. (Nov. 1994).
Product Literature, 3M MSDS Access System, A Cost-Effective Distribution of Material Safety Data Sheet Information on CD-ROM (1995) (Product available prior to 1994).
Product Literature, 3M CD Stock--Stock Photography on CD, 3M Imaging (1993).
Article, "Digital Photo catalogs Transform Creative Process," Computer artist, (Oct./Nov. 1994).

ART-UNIT: 237

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Ho; Ruay Lian

ABSTRACT:

A method of transforming and storing data for search and display by a computer system includes formatting and aligning data records of a plurality of objects to a common table mapped format. The formatted and aligned data records are merged and a database is generated therefrom. The database is stored on an optical disc and includes index tables corresponding to searchable data fields. Image data for the objects is compressed and a main compressed image and an image of lesser resolution are randomly stored to a plurality of storage subdirectories on an optical disc. A program for searching and further processing the stored data is also stored on the optical disc with the database and the storage subdirectories. The program for search and display of the data uses an index bar interface for searching the indexed tables. The objects may include real estate properties.

37 Claims, 14 Drawing figures

09439550_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09439550 on July 17, 2002

Original Classifications

7	379/211.02
7	701/207
5	379/220.01
4	701/208
3	701/201
3	701/211
3	705/80
3	707/10
3	707/102
2	340/995
2	701/117
2	701/200
2	701/209
2	701/210
2	701/300
2	702/150
2	705/2
2	707/104.1
2	707/4

Cross-Reference Classifications

20	340/995
19	340/990
13	701/208
10	701/213
8	379/207.12
7	701/201
6	340/988
6	379/207.15
5	342/357.13
5	342/457
5	379/207.14
5	701/207
5	701/211
4	379/211.02
4	379/219
4	379/88.01
4	379/88.13
4	701/202
4	701/209
4	701/212
4	705/26
4	707/102

09439550_CLS

4 707/104.1
3 209/584
3 379/223
3 701/200
3 707/200
2 209/900
2 340/996
2 345/418
2 358/403
2 379/201.02
2 379/221.09
2 379/246
2 379/88.2
2 382/190
2 455/422
2 455/429
2 701/117
2 704/270.1
2 707/100
2 707/201
2 707/3
2 707/4
2 707/5
2 707/6

Combined Classifications

22 340/995
19 340/990
17 701/208
12 701/207
11 379/211.02
10 701/201
10 701/213
8 379/207.12
8 701/211
7 340/988
7 707/102
6 379/207.15
6 701/209
6 707/104.1
5 342/357.13
5 342/457
5 379/207.14
5 379/220.01
5 701/200
4 379/219
4 379/88.01
4 379/88.13

09439550_CLS

4 701/117
4 701/202
4 701/212
4 705/26
4 707/4
3 209/584
3 345/418
3 379/223
3 379/88.2
3 701/210
3 701/300
3 702/150
3 705/80
3 707/10
3 707/100
3 707/200
3 707/6
2 209/900
2 340/996
2 342/357.08
2 342/357.14
2 358/403
2 358/442
2 379/201.02
2 379/221.09
2 379/246
2 382/190
2 455/422
2 455/429
2 704/270.1
2 705/2
2 707/101
2 707/201
2 707/3
2 707/5

09439550_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09439550 on July 17, 2002

22	340/995	(2 OR, 20 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/995	.Map display
19	340/990	(0 OR, 19 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/989	.At remote location
	340/990	..With map display
17	701/208	(4 OR, 13 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/208	..For use in a map data base system
12	701/207	(7 OR, 5 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
11	379/211.02	(7 OR, 4 XR)
	Class 379 :	TELEPHONIC COMMUNICATIONS
	379/201.01	SPECIAL SERVICES
	379/211.01	.Call diversion (e.g., call capture)
	379/211.02	..Call forwarding
10	701/201	(3 OR, 7 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/200	NAVIGATION
	701/201	.Determination of travel data based on the
		start point and destination point
10	701/213	(0 OR, 10 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/213	..Using Global Positioning System (GPS)

09439550_CLSTITLES

8 379/207.12 (0 OR, 8 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/201.01 SPECIAL SERVICES
 379/207.02 .Service trigger (activation or deactivation)
 379/207.12 ..Party location

8 701/211 (3 OR, 5 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system
 701/211 ...Having audio or visual route guidance

7 340/988 (1 OR, 6 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION

7 707/102 (3 OR, 4 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE
 MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
 ROCESSING
 707/100 DATABASE SCHEMA OR DATA STRUCTURE
 707/102 .Generating database or data structure (e.g.,
 via user interface)

6 379/207.15 (0 OR, 6 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/201.01 SPECIAL SERVICES
 379/207.02 .Service trigger (activation or deactivation)
 379/207.15 ..Automatic number identification or calling
 number identification (ANI or CLID)

6 701/209 (2 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system
 701/209 ...Including route searching or determining
 device

6 707/104.1 (2 OR, 4 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE
 MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

09439550_CLSTITLES

PROCESSING

- 707/100 DATABASE SCHEMA OR DATA STRUCTURE
- 707/104.1 .Application of database or data structure
(e.g., distributed, multimedia, image)

- 5 342/357.13 (0 OR, 5 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
 - 342/350 DIRECTIVE
 - 342/352 .Including a satellite
 - 342/357.01 ..With position indicating
 - 342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
 - 342/357.13With storage device (i.e., map or database

- 5 342/457 (0 OR, 5 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
 - 342/350 DIRECTIVE
 - 342/450 .Position indicating (e.g., triangulation)
 - 342/457 ..Land vehicle location (e.g., bus, police car

- 5 379/207.14 (0 OR, 5 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/201.01 SPECIAL SERVICES
 - 379/207.02 .Service trigger (activation or deactivation)

 - 379/207.14 ..Dialed number identification service (DNIS)

- 5 379/220.01 (5 OR, 0 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION
 - 379/220.01 .With interexchange network routing

- 5 701/200 (2 OR, 3 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
 - 701/200 NAVIGATION

- 4 379/219 (0 OR, 4 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION

- 4 379/88.01 (0 OR, 4 XR)

09439550_CLSTITLES
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS
 379/88.01 .Voice activation or recognition

4 379/88.13 (0 OR, 4 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS
 379/88.13 .Multimedia system (e.g., voice output combine
 d with fax, video, text, etc.)

4 701/117 (2 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/117 .Traffic analysis or control of surface vehicl
 e

4 701/202 (0 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/201 .Determination of travel data based on the
 start point and destination point
 701/202 ..Route pre-planning

4 701/212 (0 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system
 701/212 ...Having variable map scale

4 705/26 (0 OR, 4 XR)
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
 ATION
 705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
 PRACTICE OR MANAGEMENT ARRANGEMENT
 705/26 .Electronic shopping (e.g., remote ordering)

4 707/4 (2 OR, 2 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE

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MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

ROCESSING

707/1 DATABASE OR FILE ACCESSING
 707/3 .Query processing (i.e., searching)
 707/4 ..Query formulation, input preparation, or
 translation

3 209/584 (0 OR, 3 XR)

Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

209/509 SORTING SPECIAL ITEMS, AND CERTAIN METHODS AND
 APPARATUS (E.G., POCKET TYPE AND LIGHT

RESPONSIVE SORTING,

ETC.) FOR SORTING ANY ITEMS

209/552 .Condition responsive means controls separatin

g

means

209/576 ..Sensing radiant energy reflected, absorbed,
 emitted, or obstructed by item or adjunc

t thereof

209/577 ...Infrared, visible light, or ultraviolet

209/583Reading indicia

209/584On mail

3 345/418 (1 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
 INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

3 379/223 (0 OR, 3 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION

379/222 .Toll center

379/223 ..With operator assistance

3 379/88.2 (1 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

379/88.19 .Call source identification

379/88.2 ..Automatic Number Identification (ANI)

3 701/210 (2 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION

701/200 NAVIGATION

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701/207 .Employing position determining equipment
701/208 ..For use in a map data base system
701/209 ...Including route searching or determining
device
701/210Route correction, modification, or
verification

3 701/300 (2 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/300 RELATIVE LOCATION

3 702/150 (2 OR, 1 XR)
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
TESTING
702/127 MEASUREMENT SYSTEM
702/150 .Orientation or position

3 705/80 (3 OR, 0 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/80 .Electronic negotiation

3 707/10 (3 OR, 0 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING
707/1 DATABASE OR FILE ACCESSING
707/10 .Distributed or remote access

3 707/100 (1 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING
707/100 DATABASE SCHEMA OR DATA STRUCTURE

3 707/200 (0 OR, 3 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING
707/200 FILE OR DATABASE MAINTENANCE

3 707/6 (1 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING

09439550_CLSTITLES
 707/1 DATABASE OR FILE ACCESSING
 707/3 .Query processing (i.e., searching)
 707/6 ..Pattern matching access

2 209/900 (0 OR, 2 XR)
 Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS
 209/900 SORTING FLAT-TYPE MAIL

2 340/996 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/996 .Prerecorded message describes position

2 342/357.08 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.08Determining relative position (e.g.,
 distance or direction)

2 342/357.14 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.14Combined with secondary navigation system
 (i.e., LORAN, gyroscope, inertial, dead rec

koning, etc.)

2 358/403 (0 OR, 2 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
 358/400 FACSIMILE
 358/403 .Document filing and retrieval system

2 358/442 (1 OR, 1 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
 358/400 FACSIMILE
 358/442 .Facsimile system interface

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- 2 379/201.02 (0 OR, 2 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/201.01 SPECIAL SERVICES
 - 379/201.02 .Service profile (e.g., calling service)
- 2 379/221.09 (0 OR, 2 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION
 - 379/220.01 .With interexchange network routing
 - 379/221.08 ..Advanced intelligent network (AIN)
 - 379/221.09 ...Service control point (SCP, ISCP, external database)
- 2 379/246 (0 OR, 2 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/242 CENTRALIZED SWITCHING SYSTEM
 - 379/245 .Identification
 - 379/246 ..Of line or trunk
- 2 382/190 (0 OR, 2 XR)
 - Class 382 : IMAGE ANALYSIS
 - 382/181 PATTERN RECOGNITION
 - 382/190 .Feature extraction
- 2 455/422 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/422 .Zoned or cellular telephone system
- 2 455/429 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/422 .Zoned or cellular telephone system
 - 455/427 ..Space satellite
 - 455/429 ...Cell projection
- 2 704/270.1 (0 OR, 2 XR)
 - Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 - COMPRESSION/DECOMPRESSION
 - 704/200 SPEECH SIGNAL PROCESSING
 - 704/270 .Application
 - 704/270.1 ..Speech assisted network
- 2 705/2 (2 OR, 0 XR)
 - Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS

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PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
PRACTICE OR MANAGEMENT ARRANGEMENT

705/2 .Health care management (e.g., record
management, ICDA billing)

2 707/101 (1 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

ROCESSING

707/100 DATABASE SCHEMA OR DATA STRUCTURE

707/101 .Manipulating data structure (e.g.,
compression, compaction, compilation)

2 707/201 (0 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

ROCESSING

707/200 FILE OR DATABASE MAINTENANCE

707/201 .Coherency (e.g., same view to multiple users)

2 707/3 (0 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

ROCESSING

707/1 DATABASE OR FILE ACCESSING

707/3 .Query processing (i.e., searching)

2 707/5 (0 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

ROCESSING

707/1 DATABASE OR FILE ACCESSING

707/3 .Query processing (i.e., searching)

707/5 ..Query augmenting and refining (e.g., inexact
access)

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6101496 42
6381324 39
5636122 34
5758313 34
5884216 34
6026345 34
6088648 34
6363320 34
5796634 33
5978747 33
5428546 31
5594650 31
6385312 29
5506897 29
6091810 29
5961572 29
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5991690 18

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6096050 18
6104316 18

about 7
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adapted 1
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addressing 3
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against 6
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all 4
allow 1
allowing 1
allows 2
along 2
also 8
altitude 1
an 29
anchor 10
anchored 1
and 49
another 3
any 9
anyone 1
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application 1
applications 1
applies 1
appreciation 1
approximated 2
approximations 1
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area 3
areas 3
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as 15
assigns 1
associated 3

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attendant 1
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background 3
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based 8
bbm 14
be 18
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being 4
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between 2
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bottom 2
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broader 1
building 1
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can 3
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centroid 31
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christopher 1
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com 1
combines 1
combining 1
common 1
commonly 1
comparison 1
complete 2
composed 1
comprising 1
computational 1
computer 3
confirmed 1
conjunction 1
connected 1
connection 1
considered 3
consists 1
contained 1
contains 1
control 1
converting 1
conveyed 1
coordinates 3
copyright 4
corner 1
correlated 1
correlating 1
correlation 1
corresponding 4
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crammed 1
create 2
created 1
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criteria 3
cty 1
data 26
database 29
databases 1
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defining 2
denomination 1
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describe 1

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designation 1
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determining 1
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devices 3
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difficult 1
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directions 2
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edges 1
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electronic 2
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emanating 1
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endpoint 2

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etpk 2
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exact 3
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feature 2
field 1
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filed 1
find 1
finding 2
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five 1
fixed 1
flags 1
flat 1
flower 1
following 1
for 31
form 6
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francisco 3
fro 1
from 10
fuel 1
further 2
general 1
generally 2
generator 1

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geocoded 19
geocoding 6
geographic 1
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graph 6
graphs 3
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grid 2
has 3
have 2
having 7
herein 1
high 1
highly 1
houses 1
however 3
hsv 1
http 2
icons 1
identification 3
identified 5
identifier 4
identify 1
identifying 1
if 2
illustrated 1
illustration 1
implementation 1
in 44
include 2
included 1
includes 6
including 5
incorporated 1
index 2
indexes 1
indicated 1
info 2
information 32
input 2
instead 1
interactive 1
interest 1
internet 4
interpolated 1
interpolating 1
into 3

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inventor 1
involves 1
is 33
it 2
item 2
items 7
its 2
itself 1
jwc 23
jwcjwc 1
key 1
known 6
larger 1
lat 8
latitude 2
layer 15
layers 6
least 3
like 1
line 13
lines 7
link 1
linked 1
linking 2
loading 2
located 2
location 20
locations 21
long 7
longitude 2
longs 1
louie 1
made 1
mail 13
main 2
maintained 4
make 1
making 1
malibu 1
many 2
map 19
mapping 3
mapquest 5
maps 11
mapsonus 3
market 2
match 9

matched 4
matches 16
matching 2
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may 12
mcf 13
menu 1
method 2
methods 2
might 1
miramar 1
more 8
multiple 7
name 2
names 1
necessarily 1
need 1
needed 1
net 2
new 2
next 1
no 10
nodes 1
not 12
notches 2
nothere 2
notice 1
number 1
ny 1
object 2
objection 1
objects 2
obtained 1
of 97
office 1
often 2
oh 1
omcf 1
on 33
one 10
only 2
onto 4
opportunity 1
or 55
orbit 1
orbital 2
order 1
oriented 1

other 23
otherwise 1
output 1
over 1
owner 1
park 1
parks 1
parma 1
part 2
particularly 1
pass 4
passed 1
patent 6
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per 1
performed 1
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perhaps 1
placed 5
placement 1
planning 1
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points 8
poland 1
pop 2
populated 1
population 2
portion 1
portrayed 1
position 5
possible 1
post 2
postal 1
precisely 2
precision 6
predetermined 2
present 8
printed 3
prior 2
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process 1
program 3
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provide 1
provides 5
providing 3

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pull 1
purchasing 1
query 5
racetk 1
radial 15
radials 6
radius 2
range 3
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readily 1
recognition 1
record 1
records 2
reference 2
referring 1
regarding 1
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represent 2
represented 1
representing 9
reproduction 1
required 1
requires 1
reserves 1
respect 1
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result 1
results 1
retrieve 1
returned 1
returns 1
reverse 1
rhubarb 1
rights 1
ro 1
roads 1
route 2
routes 2
routing 1
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same 12

sameplace 2
san 6
satellite 9
satellites 1
screen 2
search 8
searched 4
searches 2
searching 9
second 4
seen 1
segment 6
segments 2
selected 1
separately 1
sequence 1
serial 1
set 2
several 2
shaded 1
shapes 1
shortcut 1
shown 6
side 1
similar 1
similarly 1
simple 1
since 2
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situations 1
size 1
slower 1
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software 3
some 2
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sources 2
specific 1
spherical 1
st 10
state 2
states 1
step 1
steps 3
still 1
stored 3
stores 2
street 14

streets 4
subject 1
subsequent 1
subtracting 1
such 4
summary 1
suranyi 1
system 1
table 3
tables 1
take 1
taking 1
tasks 2
techniques 1
th 1
than 2
that 8
the 127
their 2
themselves 2
then 1
there 1
thereby 1
therefore 2
thereof 1
they 2
this 3
tis 1
to 50
too 1
track 1
tracking 7
trademark 1
traditional 1
travel 1
tto 2
ttorney 3
two 1
type 2
types 5
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us 20

use 2
useful 2
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visibility 1
visible 2
visitors 1
was 4
whatsoever 1
when 3
where 1
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which 4
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with 18
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without 1
worth 1
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Today's Date: 4/19/2001

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	112 and map\$	8	<u>L13</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	111 and match\$ same data	19	<u>L12</u>
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	19 and satellite information	0	<u>L10</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	18 and data same match	62	<u>L9</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	17 and map	240	<u>L8</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	15 and (single layer or one layer)	989	<u>L7</u>
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	database	72255	<u>L5</u>
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	5487139.uref.	9	<u>L3</u>
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	geocoded same database	13	<u>L1</u>